THERON PATRICK

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Summary

Front-end software engineer with several years of experience in responsive desktop and mobile web apps looking for the next creative challenge. Specialized in client development, but eager to contribute in the planning, design, engineering, and support of fun and innovative applications.

Education

Boston College - Carroll School of Management *2012*
Bachelor of Science - Computer Science & Information Systems

Technical Skills

Languages: JavaScript, HTML, CSS, Swift, Java, Lua, Python, Ruby on Rails
Frameworks: React, Vue.js, Angular, Backbone, Express, Node.js, Django
Tools: Git, Webpack, NPM, ESLint, Babel, Gulp, Jenkins, Jira, Docker
Platforms: Heroku, AWS, Google Cloud
API Integrations: YouTube, Imgur, Twitter, Facebook, Google Auth, Google Maps
Databases: PostgreSQL, MySQL, MongoDB
Design: Photoshop, Illustrator, Sketch, Zeplin
Mobile: React Native, native Android apps (Java), native iOS apps (Swift)
Game Engines: Defold, Corona, Gamemaker

Professional Experience

Happie *2016-2017*
Led the front-end engineering team for a job candidate outreach platform. Responsibilities included: establishing an architecture and framework for the client-side app, specifying build processes, writing deployment scripts, integrating with back-end APIs, and mentoring junior developers. Also engaged in design meetings, gave professional demos, and worked with CEO to help manage features and timelines.

VitalSource Technologies *2013-2016*
Served primarily as a front-end engineer on educational applications, but also produced a full-stack Node.js app, wrote utility scripts, and contributed to design and planning discussions. Was able to quickly pick up concepts as they applied to new projects, including responsive design, internationalization, accessibility, mobile deployment, and frameworks like Angular and React. Detailed project descriptions included on second page.

Fidelity Investments *2012*
Contributed as a software engineering associate in the LEAP development program.

Bookshelf

As the flagship product for VitalSource, Bookshelf required a large team dedicated to its growth and maintenance. I contributed mainly as a front-end engineer for the web application team. The biggest challenge was redesigning the app with an entirely new UI, making it responsive on mobile devices, and also switching to React as our framework. I built several of the most-used features of the platform, like page zooming, user feedback forms, and branded UI options. Although most of my contribution was on the React front-end, I also occasionally added features and fixed bugs with our Ruby on Rails API layer.

One of my main responsibilities was to implement a feature that allowed customers to brand Bookshelf with their own images, colors, text, etc. However, we soon found that the popularity of these custom application instances, and the technical complexity in producing them, would require its own app known as:

Bookshelf Branding Tool

The Bookshelf Branding Tool proved to be a valuable asset to help account managers assist their clients in making their own custom Bookshelf experience. With a simple UI and some automated scripts, the Branding Tool exponentially increased our throughput in creating and updating branded app instances, which was previously a manual and time-intensive process. This allowed us to ramp up our promotion of brandable features, and ultimately led to an increase in business for branded sites.

I was given full responsibility for the front-end, back-end, deployment, and maintenance of the tool. This was my first Node.js project, and I found it relatively straightforward to set up using the Express framework. The biggest challenges were utilizing our existing infrastructure for authentication, and connecting to Jira to automatically create and track brand request tickets. The front-end was built on a custom lightweight framework I built and called "Emperor," which acted as a router for individual jQuery components into a unified AJAX application. The last steps were to host it in AWS, and provide helper scripts to create the necessary assets in Bookshelf from the branded data.

Storia

I contributed as one of the lead front-end engineers for Storia, a flagship educational platform for the largest publisher of children's books worldwide. Used by thousands of students and with over 10 million books read to date, this project presented a unique challenge because the client wanted to work closely with us in an Agile team, instead of just handing off requirements. As a team we were required to attend daily standups and react to constant changes in design, and functionality. I helped advise the team when there were changes in scope, and helped to identify features that could be pushed out in

order to meet a minimum viable product. In the end, the project was delivered on time and became one of the most profitable projects for VitalSource at the time.

Independent Projects

Theron's 2017 Cross-Country Extravaganza - In the summer of 2017 I spent 3 months on a solo cross-country road trip. Along the way I stopped in over 30 states, hiked through 33 national parks, and took hundreds of photos and videos. Afterwards I built out a web app to chronicle the adventures in unique and interactive ways. The custom-built sections include a theater for navigating through 1600+ snapchats using the YouTube API, a photo gallery using the imgur.com API, and a section highlighting some of the cool and unusual stats from the trip. You can view all these sections from [my website](#).

Taetro - Official mobile app of electronic musician/producer Taetro. The app allows users to share and play official soundpacks from Taetro, as well as engage with the YouTube community. Available on the [iOS app store](#) and [Google Play Store](#).

Free Mini Golf Scorecard - App that replaces traditional paper and pencil golf scorecards. Available on the [iOS app store](#).

Rumblefest - Wrestling-themed mobile game blending classic arcade graphics and mechanics with modern touch controls. Currently in development, you can follow our progress on [Instagram](#).

Personal

Guitar player, singer, road tripper, fan of all Boston sports, and proud owner of a fat cat named Dr. Pickles.